

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6157393".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/28 14:59
L2	0	l1 and "565"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/28 14:57
L3	0	l1 and ("24" near bits)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/28 14:57
L4	1	((("24" adj bit\$1) near parallel) and (single near ("16" adj bit\$1) near (("565" or "555") near pixel\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/28 15:01
S1	1771	345/204.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:10
S2	243	345/505.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:09
S3	50	345/682.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:09
S4	293	345/214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:09
S5	0	345/204.ccls. and (raster adj engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:10
S6	151	raster adj engine	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:13

S7	6064	video adj controller	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:14
S8	15	(video adj controller) and (raster adj engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:14
S9	46	remap near pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/29 13:14
S11	591	((dual near port) near RAM) and (control near register)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 11:37
S12	52	((dual near port) near RAM) and (control near register)) and remap\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 11:24
S13	2	((dual near port) near RAM) and (control near register) and (raster near engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 12:32
S14	263	((dual near port) near RAM) and (control near register) and display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 12:47
S15	17	((dual near port) near RAM) and (control near register) and ((plurality or multiple) near display\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 12:58
S16	3335	((dual adj ported) or dual-port adj RAM) or (VRAM) and (program\$7 near (control adj register)) and ((plurality or multiple) near display\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 12:59
S17	0	((dual adj ported) or dual-port adj RAM) or (VRAM) and (program\$7 near (control adj register)) and ((plurality or multiple) near display\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:03

S18	123	(((((dual adj ported) or dual-port ed) adj RAM) or VRAM) and (program\$7 near (control adj register)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:03
S19	114	(((((dual adj ported) or dual-port ed) adj RAM) or VRAM) and (program\$7 near (control adj register)))) and display\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:35
S20	583	((multiple or plurality) near display) and (VRAM or (dual-port ed) or (dual adj port ed))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:39
S21	1	((((multiple or plurality) near display) and (VRAM or (dual-port ed) or (dual adj port ed)))) and (program\$7 near (control adj register)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:39
S22	1	(((((multiple or plurality) near display) and (VRAM or (dual-port ed) or (dual adj port ed)))) and (program\$7 near (control adj register)))) and (program\$7 near (control adj register))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 13:40
S23	648	((multiple or plurality) near (display\$1 or monitor\$1)) and (VRAM or (dual-port ed) or (dual adj port ed))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 14:07
S24	2	"6326935".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 14:07
S25	2	"6326935".pn. and monitor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 15:46
S26	28	(video adj controller\$1) and (multiple near monitor\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/08 15:47
S27	33	(raster adj engine) and (((look adj up adj table) or (LUT)) or grayscale or blink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 11:22

S28	1	(raster adj engine) and (display near mode\$1) and ((single adj pixel) near3 clock) and ("24" adj bits)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 11:24
S29	24	((single or dual) adj pixel\$1) near5 clock) and (("24" or "16") adj bits)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 13:57
S30	1	("single 16 bit 565 pixel per clock") and display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 13:58
S31	1	(single near ("16" adj bit) near ("565" adj pixel)) near3 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:00
S32	1	((("16" adj bit) near ("565" adj pixel)) near3 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:00
S33	1	((("16" adj bit) near5 ("565" adj pixel)) near3 clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:01
S34	16	((("8" or eight) near pixel\$1) near3 (shift adj clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:25
S35	35372	(display or shift or pixel) near mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:30
S36	14	S35 and (raster adj engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 14:25
S37	10	(display and shift and pixel and color) near mode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 11:21

S38	1	(color adj mode) and (shift adj mode) and (pixel adj mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 11:50
S39	548	(dotson.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:01
S40	19	S39 and gary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:13
S41	2	"4965559".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:13
S42	2	"5568192".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:14
S43	2	"6215459".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:15
S44	2	"6362834".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:21
S45	2	"6396465".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:22
S46	2	"6476800".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/18 16:22
S47	0	"6509911".pn. and (control adj register)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/22 15:47

S48	0	"6509911".pn. and (register)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/22 15:48
S49	0	"6326935".pn. and (register)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/22 15:48
S50	2	"6326935".pn. and (control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/22 15:48
S51	51	(US-20010024456-\$ or US-20010042147-\$ or US-20020024610-\$ or US-20020024967-\$ or US-20020036625-\$ or US-20020046300-\$ or US-20020083111-\$ or US-20020122141-\$ or US-20020165028-\$ or US-20020165630-\$ or US-20030101307-\$ or US-20040095292-\$ or US-20040150652-\$ or US-20040164924-\$ or US-20040164925-\$ or US-20040179015-\$ or US-20040208245-\$ or US-20040212730-\$ or US-20040212734-\$).did. or (US-4570217-\$ or US-4751648-\$ or US-5309551-\$ or US-5327159-\$ or US-5341470-\$ or US-5365126-\$ or US-5400057-\$ or US-5465058-\$ or US-5469195-\$ or US-5577203-\$ or US-5581280-\$ or US-5590134-\$ or US-5625379-\$ or US-5680161-\$ or US-5717697-\$ or US-5821918-\$ or US-5982459-\$ or US-6020904-\$ or US-6195106-\$ or US-6262748-\$ or US-6393549-\$ or US-6509911-\$ or US-6513088-\$ or US-6516467-\$ or US-6604190-\$ or US-6714172-\$). did. or (US-6714216-\$ or US-6724351-\$ or US-6734866-\$ or US-6769046-\$ or US-6795094-\$ or US-6806885-\$).did.	US-PGPUB; USPAT	OR	ON	2004/11/24 10:51
S52	41	S51 and parallel	US-PGPUB; USPAT	OR	ON	2004/11/23 10:16

S53	32	S52 and multiplexer	US-PGPUB; USPAT	OR	ON	2004/11/23 10:18
S54	0	S51 and (multiplexer near3 parallel)	US-PGPUB; USPAT	OR	ON	2004/11/23 10:18
S55	4	S51 and (multiplexer near5 parallel)	US-PGPUB; USPAT	OR	ON	2004/11/23 16:15
S56	2	S51 and (programmable near control)	US-PGPUB; USPAT	OR	ON	2004/11/23 11:32
S57	1	"6041010".pn. and programmable	US-PGPUB; USPAT	OR	ON	2004/11/23 11:32
S58	298	remap\$5 near5 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 11:43
S59	140	(programmable near (control\$4 near register)) and display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 13:59
S60	34	S51 and (multiplexer)	US-PGPUB; USPAT	OR	ON	2004/11/23 16:15

S61	51	(US-20010024456-\$ or US-20010042147-\$ or US-20020024610-\$ or US-20020024967-\$ or US-20020036625-\$ or US-20020046300-\$ or US-20020083111-\$ or US-20020122141-\$ or US-20020165028-\$ or US-20020165630-\$ or US-20030101307-\$ or US-20040095292-\$ or US-20040150652-\$ or US-20040164924-\$ or US-20040164925-\$ or US-20040179015-\$ or US-20040208245-\$ or US-20040212730-\$ or US-20040212734-\$).did. or (US-4570217-\$ or US-4751648-\$ or US-5309551-\$ or US-5327159-\$ or US-5341470-\$ or US-5365126-\$ or US-5400057-\$ or US-5465058-\$ or US-5469195-\$ or US-5577203-\$ or US-5581280-\$ or US-5590134-\$ or US-5625379-\$ or US-5680161-\$ or US-5717697-\$ or US-5821918-\$ or US-5982459-\$ or US-6020904-\$ or US-6195106-\$ or US-6262748-\$ or US-6393549-\$ or US-6509911-\$ or US-6513088-\$ or US-6516467-\$ or US-6604190-\$ or US-6714172-\$). did. or (US-6714216-\$ or US-6724351-\$ or US-6734866-\$ or US-6769046-\$ or US-6795094-\$ or US-6806885-\$).did.	US-PGPUB; USPAT	OR	ON	2004/11/24 09:32
S62	26	S61 and (color and shift and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:33
S63	1	S61 and ((color and shift and pixel) near mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:41
S64	5	"544744".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:41

S65	4	"544774".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:42
S66	3	"545421".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:42
S67	34	S61 and multiplexer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 09:48
S68	1	"6816750".pn.	US-PGPUB; USPAT	OR	ON	2004/11/24 10:51
S69	1	S68 and (shift adj mode)	US-PGPUB; USPAT	OR	ON	2004/11/24 10:52
S70	0	"6215459".pn. and (shift adj mode)	US-PGPUB; USPAT	OR	ON	2004/11/24 10:53
S71	0	"6215459".pn. and (shift)	US-PGPUB; USPAT	OR	ON	2004/11/24 10:53
S72	339	(display near mode) and (shift near mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 11:21
S73	25	S72 and (video adj RAM)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 11:27
S74	15	S61 and (GUI or (user adj interface))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 11:56
S75	1	"6326935".pn. and (user adj interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 12:49
S76	1	"single 16 bit 565 pixel per clock" or "single 16 bit 555 pixel per clock"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/24 12:51